



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20060003

Agency Interest No. 32607

Mr. Tim Morrison
VP Operations
4514 Cole Avenue, Suite 1175
Dallas, TX 75205

RE: Part 70 Operating Permit, Quarantine Bay Compressor Station
Cox Operating LLC, Empire, Plaquemines Parish, Louisiana

Dear Mr. Tim Morrison:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ____ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 2240-00124-V3

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB:SJT
c: EPA Region VI

ENVIRONMENTAL SERVICES

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AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Quarantine Bay Compressor Station
Agency Interest No.: 32607
Cox Operating LLC
Empire, Plaquemines Parish, Louisiana

I. Background

Cox Operating LLC, Quarantine Bay Compressor Station, is an existing oil and gas compressor station facility. The Quarantine Bay Compressor Station currently operates under Permit No. 2240-00124-V2, issued June 27, 2005.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Cox Operating LLC on August 22, 2006 requesting a modification to the Part 70 operating permit. Additional information dated October 26, 2006, November 8, 2006, November 29, 2006, December 27, 2006 and January 25, 2007 was also received.

III. Description

Quarantine Bay Compressor Station and gas plant is used to treat and handle fluids from the Quarantine Bay Tank Battery No. 4 and gas from the Quarantine Bay Tank Battery No. 2 (each permitted separately). Fluids from the Quarantine Bay Tank Battery No. 4 are routed to a high pressure separator. Oil and water from the high pressure separator are routed to a free water knockout at Quarantine Bay Tank Battery No. 2 for further separation. Off-gas from the high pressure separator is commingled with gas from Quarantine Bay Tank Battery No. 2, compressed and then discharged to the glycol contact tower for drying. The dry gas from the glycol contact tower is used as facility fuel and for gas-lift purposes with relief routed to a "JT" unit. This "JT" unit is designed to extract liquids from the incoming stream by cooling the gas stream. The cooling occurs when fluid pressure is dropped across a throttling valve. These condensed liquids are routed to the FWKO at Quarantine Bay Tank Battery No. 2. Gas from the "JT" separator is metered and routed off-site for sales. Vapors from the glycol still column are piped through a condenser where liquids are collected by a blowcase vessel. Effluent vapors are routed to the firebox of the glycol burner for combustion. The glycol dehydration unit is equipped with a glycol pump flash separator (GPFS). Off-gas from the GPFS is routed to the firebox of the glycol burner for fuel with relief gas captured by the facility's compressor system. Various gas operated pumps and insignificant storage tanks are also located at the facility.

Cox Operating LLC proposes to modify the Quarantine Bay Compressor Station as follows:

- Delete from the emission point source list: two generator engines (07 & 08), a glycol dehydration unit (09 & 023), a flare (12), two pneumatic pumps (13 & 14), three chemical injection pumps (CI-01, CI-02, & CI-03), two transfer pumps (DP-01 & DP-04), a lube oil pump (DP-02), a sump pump (DP-03), four level controllers (LC-01, LC-02, LC-03 & LC-04), and two pressure controllers (PC-01 & PC-02).

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- Add to the emission point source list: a new glycol dehydration unit (26-06-GR-BS & 27-06-GR-SCC), a blowcase vessel (29-06-BV), a vent scrubber (30-06-VS), two natural gas fired generators (31-06-ICE-ES & 32-06-ICE-ES), a diesel fired generator (33-06-ICE-ES), thirteen gas operated pumps (34-06-GOP through 46-06-GOP), and pneumatic controllers (47-06-PC).
- Add ten insignificant storage tanks (28-06-GST, 48-06-Sump (2 tanks), 49-06-ST (5 tanks), 50-06-ST, and 51-06-LOT) to the facility's insignificant activities list.
- Incorporate an emissions cap for sources 31-06-ICE-ES and 32-06-ICE-ES with the total operating time between these two engines not to exceed 10,000 hrs/yr.
- Incorporate revisions of emissions for the facility's remaining emission point sources based on updated throughput rates, emission factors, and/or current facility conditions.

There are no facilities under common ownership and contiguous with Cox Operating LLC's Quarantine Bay Compressor Station.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change ***</u>
PM ₁₀	5.54	2.36	-3.18
SO ₂	0.21	0.40	+0.19
NO _x **	712.74	754.28	+41.54
CO	114.84	212.51	+97.67
VOC *	60.95	62.30	+1.35

*** Some changes in emissions are from updated emission factors (i.e. no physical changes or changes in operation)

*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
1,3-Butadiene	-	0.05	+0.05
2,2,4-Trimethylpentane	-	0.11	+0.11
Acetaldehyde	1.42	1.80	+0.38
Acrolein	-	1.08	+1.08
Benzene	0.60	0.73	+0.13
Biphenyl	-	0.05	+0.05
Ethylbenzene	0.04	0.03	-0.01
Formaldehyde	9.95	8.47	-1.48
Methanol	-	0.56	+0.56

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***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
n-Hexane	1.51	1.02	-0.49
Toluene	0.40	0.39	-0.01
Xylene	0.09	0.23	+0.14
Total	14.01	14.52	0.51

Other VOC (TPY): 47.78

**Estimated actual emission increases due to the project in TPY are as follows:

Pollutant	Project Increase	PSD or NNSR	Analysis Required
PM ₁₀	0.38	15	No
SO ₂	0.25	40	No
NO _x	52.64	40	Yes
CO	24.67	100	No
VOC	28.57	40	No

A Prevention of Significant Deterioration (PSD) review is required for the modification of existing major sources, which results in a significant increase in emissions of a regulated pollutant. PSD review is not required for PM₁₀, SO₂, CO, and VOC

PSD netting Calculations are as follows:

Pollutant	Project Increase	Project Decrease	Net Change
NO _x	52.64	17.42	35.22

Contemporaneous Period: June 2001 through September 1, 2006

Project emissions decrease is calculated as the 2-year average between 2003 and 2004.

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and New Source Performance Standards (NSPS). Prevention of Significant Deterioration (PSD) and National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

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V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})

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VIII. General Condition XVII Activities

<u>Work Activity</u>	<u>Description</u>	<u>Emissions (TPY)</u>
Miscellaneous Sampling Procedures	Sampling from various process locations and tanks for regulatory and process control reasons - 500 lbs/yr VOC.	0.25
Internal Combustion Engine Startup, Shutdown and Maintenance & Compressor Blowdowns	At times when internal combustion engines or particularly with a compressor system, pressurized gas must be released from the system. A rate of 50 MSCF per month is used as a conservative estimate for large oil & gas E&P facilities. Also some non-regulated pollutants could be emitted (i.e. Methane, ethane, etc.) – 4500 lbs/yr VOC.	2.25
Line Preparation	Prior to work, line is isolated and liquids are pumped out and purged – 500 lbs/yr VOC.	0.25
Vessel Preparation	Liquid is pumped out and the vessel is purged. Gas must be released. A rate of 50MSCF per year is estimated – 400 lbs/yr VOC.	0.20
Filter Replacement	Liquid is pumped out and filter is opened to atmosphere – 100 lbs/yr VOC.	0.05
Instrument Mechanical Work	Instruments are serviced and calibrated - 200 lbs/yr VOC.	0.10
Tank Cleaning for Inspection / Service	Tanks are taken out of service and could release small amounts of VOC. The estimation using the largest tank would have a maximum amount of 750 lbs/yr VOC.	0.38

IX. Insignificant Activities

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
49-06-ST	200 gal Storage Tanks (5), VOC <0.25 TPY each	LAC 33:III.501.B.5.A.2
28-06-GST	1000 gal Storage Tank, VOC <0.17 TPY	LAC 33:III.501.B.5.A.3
48-06-Sump	960 gal Storage Tanks (2), VOC <0.34 TPY	LAC 33:III.501.B.5.A.3
50-06-ST	500 gal Storage Tank, VOC <0.17 TPY	LAC 33:III.501.B.5.A.3
51-06-LOT	8000 gal Storage Tank, VOC <0.17 TPY	LAC 33:III.501.B.5.A.3

All insignificant activities shall meet the requirements to submit emission inventory data to comply with LAC 33:III.919. Emission Inventory.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III																		
		5 ^A	9	11	13	15	2103	2104*	2111	2113	2115	2116*	2121	2122	22	29*	51*	56	59*	
GRP 001	Quarantine Bay Compressor Station Facility																			
FUG 001	11 - Fugitive Emissions							1					2	2	3					
GRP 003	Engines and Glycol Burner			1																
EQT 001	01 - Ingersoll Compressor Engine	1		1	1	1								3						
EQT 002	02 - Ingersoll Compressor Engine	1		1	1	1								3						
EQT 009	15 - Caterpillar Compressor Engine	1		1	1	1								3						
EQT 024	26-06-GR-BS - Glycol Regenerator - Burner Stack			1	1	1														
GRP 002	CAP 1 - Combustion Engine - Exhaust Stack																			
EQT 028	31-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack			1	1	1								3						
EQT 029	32-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack			1	1	1								3						
EQT 025	27-06-GR-SCC - Glycol Regenerator-Still Column Condenser															1				
EQT 026	29-06-BV - Blowcase Vessel																3			
EQT 027	30-06-VS - Vent Scrubber																2			
EQT 030	33-06-ICE-ES - Caterpillar Combustion Engine - Backup Diesel Generator Exhaust Stack			1	1	1														
EQT 031	34-06-GOP - Gas Operated Pump - Chemical Injection																3			
EQT 032	35-06-GOP - Gas Operated Pump - Chemical Injection																3			
EQT 033	36-06-GOP - Gas Operated Pump - Chemical Injection																3			
EQT 034	37-06-GOP - Gas Operated Pump - Chemical Injection																3			

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Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	LAC 33:III																		
		5 [▲]	9	11	13	15	2103	2104*	2111	2113	2115	2116*	2121	2122	22	29*	51*	56	59*	
EQT 035	38-06-GOP - Gas Operated Pump - Chemical Injection																			
EQT 036	39-06-GOP - Gas Operated Pump - ARO 1.5"																			
EQT 037	40-06-GOP - Gas Operated Pump - ARO 1.5"																			
EQT 038	41-06-GOP - Gas Operated Pump - ARO 1"																			
EQT 039	42-06-GOP - Gas Operated Pump - ARO 1"																			
EQT 040	43-06-GOP - Gas Operated Pump - ARO 0.5"																			
EQT 041	44-06-GOP - Gas Operated Pump - ARO 1"																			
EQT 042	45-06-GOP - Gas Operated Pump - ARO 1"																			
EQT 043	46-06-GOP - Gas Operated Pump - ARO 1"																			
EQT 044	47-06-PC - Pneumatic Controllers																			

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.	Description	40 CFR 60										40 CFR 61				40 CFR 63								
		A	D	Db	Dc	K	Ka	Kb	GG	KKK	IIIH	A	M	V	FF	A	T	HH	HHH	63	64	68		
GRP 001	Quarantine Bay Compressor Station Facility																							
FUG 001	11 - Fugitive Emissions																							
GRP 003	Engines and Glycol Burner																							
EQT 001	01 - Ingersoll Compressor Engine																							
EQT 002	02 - Ingersoll Compressor Engine																							
EQT 009	15 - Caterpillar Compressor Engine																							
EQT 024	26-06-GR-BS - Glycol Regenerator - Burner Stack																							
GRP 002	CAP 1 - Combustion Engine - Exhaust Stack																							
EQT 028	31-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack																							
EQT 029	32-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack																							
EQT 025	27-06-GR-SCC - Glycol Regenerator - Still Column Condenser																							
EQT 026	29-06-BV - Blowcase Vessel																							
EQT 027	30-06-VS - Vent Scrubber																							
EQT 030	33-06-ICE-ES - Caterpillar Combustion Engine - Backup Diesel Generator Exhaust Stack																							
EQT 031	34-06-GOP - Gas Operated Pump - Chemical Injection																							
EQT 032	35-06-GOP - Gas Operated Pump - Chemical Injection																							
EQT 033	36-06-GOP - Gas Operated Pump - Chemical																							

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
Entire Facility	40 CFR 63 National Emission Standards for Hazardous Air Pollutants	EXEMPT. Facility determined to be an area source of toxic air pollutants.
	40 CFR 64 Compliance Assurance Monitoring	EXEMPT. There are no units within the facility that are subject to an emission limitation or standard as defined under this Act.
	LAC 33:III.509 Prevention of Significant Deterioration	EXEMPT. This facility was constructed prior to 1970, so existing operations would be considered "grandfathered" under this program
	LAC 33:III.915 Emission Monitoring	EXEMPT. Source categories listed in Appendix P of 40 CFR 51 do not apply to these operations.
	LAC 33:III.2115 Waste Gas Disposal	EXEMPT. Although facility-wide VOC emissions are greater than 100 TPY, there are no waste gas streams having a combined weight of VOCs more than 100 lbs in any continuous 24-hr period.
	LAC 33:III. 2121 Fugitive Emissions Control for Ozone Nonattainment Areas	EXEMPT. Capacity of this plant is less than 40 MMSCFD and it does not fractionate natural gas liquids.
	LAC 33:III. 2122 Fugitive Emission Control For Ozone Nonattainment Areas	EXEMPT. Capacity of this plant is less than 40 MMSCFD and it does not fractionate natural gas liquids.
	LAC 33:III.Chapter 22 Control of Emissions of Nitrogen Oxides (NO _x)	EXEMPT. Facility not located in the Baton Rouge Nonattainment Area or Region of Influence as defined in this program.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Entire Facility	LAC 33:III.Chapter 51 Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT. The facility would not be classified as a "major" source of toxic air pollutants, considering the existing control measures.
	LAC 33:III.Chapter 59 Chemical Accident Prevention	EXEMPT. Naturally occurring hydrocarbon mixtures, prior to entry into a gas plant, are exempt from consideration. In addition, applicant does not have on site any of the listed toxic material in amounts greater than the threshold quantities of this program.
EQT 001, 002, 009 Compressor Engines	Nonattainment New Source Review 40 CFR 60 Subpart KKK Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants	EXEMPT. Facility located in an attainment parish. EXEMPT. Reciprocating compressors in wet gas service.
EQT 001, 002, 009, 028, 029 Compressor Engines & Combustion Engines	LAC 33:III.Chapter 22 Control of Emissions of Nitrogen Oxides (NP _x)	EXEMPT. Facility not located in the Baton Rouge Nonattainment Area or Region of Influence as defined in this program.
EQT 030 Combustion Engine (Diesel)	40 CFR 60 Subpart III Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	DOES NOT APPLY. Manufacture date of engine is prior to April 1, 2006 [40 CFR 60.4200.a.2.i.] Engine manufactured on June 28, 1993.
FUG 001 Fugitives	LAC 33:III.2121 Fugitive Emission Control	EXEMPT. Capacity of this plant is less than 40 MMSCFD and it does not fractionate natural gas liquids.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
FUG 001 Fugitives	LAC 33:III.2122 Fugitive Emission Control	EXEMPT. Capacity of this plant is less than 40 MMSCFD and it does not fractionate natural gas liquids.
EQT 027 Vent Scrubber	LAC 33:III.2115 Control of Emissions of Organic Compounds Waste Gas Disposal	EXEMPT. Although facility-wide VOC emissions are greater than 100 TPY, there are no waste gas streams having a combined weight of VOCs more than 100 lbs in any continuous 24-hr period.
EQT 026, 031 – 044 Blowcase Vessel, Gas Operated Pumps, & Pneumatic Controllers	LAC 33:III.2115 Control of Emissions of Organic Compounds Waste Gas Disposal	DOES NOT APPLY. Current LDEQ policy recognizes emissions from these sources as exhaust gas since the equipment is not part of the actual process. Therefore, these sources would not be considered under this regulation.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

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emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

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- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated August 22, 2006, along with supplemental information dated October 26, 2006, November 8, 2006, November 29, 2006, December 27, 2006 and January 25, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
- A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.
- The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
- This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
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- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 32607 Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V General Permit Minor Mod

Also Known As:	ID	Name	User Group	Start Date
	2240-00124	Quarantine Bay Compressor Station	CDS Number	06-15-1999
	2240-0038	Quarantine Bay Compressor Station	Emission Inventory	03-03-2004
	LAG330264	LPDES #	LPDES Permit #	07-11-2003
	LAG33A610	LPDES #	LPDES Permit #	06-01-2006
		Cox Operating LLC	Multimedia	06-01-2004

Main FAX: 9036751438
Main Phone: 9036759104

Physical Location: 7 Mi E of Empire, LA

Mailing Address: 6353 State Hwy 19 N Athens, TX 75752

Location of Front Gate: 29° 25' 10" 2 hundredths latitude, 89° 30' 9" 0 hundredths longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD83

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Tim Morrison	4514 Cole Ave Ste 1175 Dallas, TX 75205	2144207714 (WP)	Responsible Official for

Related Organizations:	Name	Address	Phone (Type)	Relationship
	Cox Operating LLC	210 N New Hampshire Covington, LA 70433	9858982019 (WP)	Owns
	Cox Operating LLC	210 N New Hampshire Covington, LA 70433	9858982019 (WP)	Operates
	Cox Operating LLC	210 N New Hampshire Covington, LA 70433	9858982019 (WP)	Water Billing Party for
	Cox Operating LLC	210 N New Hampshire Covington, LA 70433	9858982019 (WP)	Air Billing Party for

SIC Codes: 1321, Natural gas liquids

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 32607 - Quarantine Bay Compressor Station
 Activity Number: PER20060003
 Permit Number: 2240-00124-V3
 Air - Title V General Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT001	01 - Ingersoll Compressor Engine		2000 horsepower	2000 horsepower		8760 hr/yr (All Year)
EQT002	02 - Ingersoll Compressor Engine		2000 horsepower	2000 horsepower		8760 hr/yr (All Year)
EQT009	15 - Caterpillar Compressor Engine		1150 horsepower	1150 horsepower		8760 hr/yr (All Year)
EQT024	26-06-GR-BS - Glycol Regenerator - Burner Stack		.35 MM BTU/hr	.35 MM BTU/hr		8760 hr/yr (All Year)
EQT025	27-06-GR-SCC - Glycol Regenerator - Still Column Condenser		5475 MM scf/yr	5475 MM scf/yr	150 Gallons / Hr Glycol	8760 hr/yr (All Year)
EQT026	29-06-BV - Blowcase Vessel		51614 gallons/yr	51614 gallons/yr		8760 hr/yr (All Year)
EQT027	30-06-VS - Vent Scrubber		8.8 MM scf/yr	8.8 MM scf/yr		8760 hr/yr (All Year)
EQT028	31-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack		209 horsepower	209 horsepower		(None Specified)
EQT029	32-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack		209 horsepower	209 horsepower		(None Specified)
EQT030	33-06-ICE-ES - Caterpillar Combustion Engine - Backup Diesel Generator Exhaust Stack		302 horsepower	302 horsepower	Backup Diesel Generator	600 hr/yr (All Year)
EQT031	34-06-GOP - Gas Operated Pump - Chemical Injection		.15 MM scf/yr	.15 MM scf/yr		8760 hr/yr (All Year)
EQT032	35-06-GOP - Gas Operated Pump - Chemical Injection		.15 MM scf/yr	.15 MM scf/yr		8760 hr/yr (All Year)
EQT033	36-06-GOP - Gas Operated Pump - Chemical Injection		.15 MM scf/yr	.15 MM scf/yr		8760 hr/yr (All Year)
EQT034	37-06-GOP - Gas Operated Pump - Chemical Injection		.15 MM scf/yr	.15 MM scf/yr		8760 hr/yr (All Year)
EQT035	38-06-GOP - Gas Operated Pump - Chemical Injection		.15 MM scf/yr	.15 MM scf/yr		8760 hr/yr (All Year)
EQT036	39-06-GOP - Gas Operated Pump - ARO 1.5"		.18 MM scf/yr	.18 MM scf/yr		20 hr/yr (All Year)
EQT037	40-06-GOP - Gas Operated Pump - ARO 1.5"		.18 MM scf/yr	.18 MM scf/yr		20 hr/yr (All Year)
EQT038	41-06-GOP - Gas Operated Pump - ARO 1"		.28 MM scf/yr	.28 MM scf/yr		52 hr/yr (All Year)
EQT039	42-06-GOP - Gas Operated Pump - ARO 1"		.28 MM scf/yr	.28 MM scf/yr		52 hr/yr (All Year)
EQT040	43-06-GOP - Gas Operated Pump - ARO 0.5"		.61 MM scf/yr	.61 MM scf/yr		400 hr/yr (All Year)
EQT041	44-06-GOP - Gas Operated Pump - ARO 1"		2.1 MM scf/yr	2.1 MM scf/yr		400 hr/yr (All Year)
EQT042	45-06-GOP - Gas Operated Pump - ARO 1"		.53 MM scf/yr	.53 MM scf/yr		100 hr/yr (All Year)
EQT043	46-06-GOP - Gas Operated Pump - ARO 1"		.53 MM scf/yr	.53 MM scf/yr		100 hr/yr (All Year)
EQT044	47-06-PC - Pneumatic Controllers					8760 hr/yr (All Year)
FUG001	11 - Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Quarantine Bay Compressor Station Facility	EQT1 01 - Ingersoll Compressor Engine
GRP001	Quarantine Bay Compressor Station Facility	EQT2 02 - Ingersoll Compressor Engine
GRP001	Quarantine Bay Compressor Station Facility	EQT9 15 - Caterpillar Compressor Engine
GRP001	Quarantine Bay Compressor Station Facility	EQT24 26-06-GR-BS - Glycol Regenerator - Burner Stack
GRP001	Quarantine Bay Compressor Station Facility	EQT25 27-06-GR-SCC - Glycol Regenerator - Still Column Condenser
GRP001	Quarantine Bay Compressor Station Facility	EQT26 29-06-BV - Blowcase Vessel
GRP001	Quarantine Bay Compressor Station Facility	EQT27 30-06-VS - Vent Scrubber

INVENTORIES

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V General Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Quarantine Bay Compressor Station Facility	EQT28 31-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack
GRP001	Quarantine Bay Compressor Station Facility	EQT29 32-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack
GRP001	Quarantine Bay Compressor Station Facility	EQT30 33-06-ICE-ES - Caterpillar Combustion Engine - Backup Diesel Generator Exhaust Stack
GRP001	Quarantine Bay Compressor Station Facility	EQT31 34-06-GOP - Gas Operated Pump - Chemical Injection
GRP001	Quarantine Bay Compressor Station Facility	EQT32 35-06-GOP - Gas Operated Pump - Chemical Injection
GRP001	Quarantine Bay Compressor Station Facility	EQT33 36-06-GOP - Gas Operated Pump - Chemical Injection
GRP001	Quarantine Bay Compressor Station Facility	EQT34 37-06-GOP - Gas Operated Pump - Chemical Injection
GRP001	Quarantine Bay Compressor Station Facility	EQT35 38-06-GOP - Gas Operated Pump - Chemical Injection
GRP001	Quarantine Bay Compressor Station Facility	EQT36 39-06-GOP - Gas Operated Pump - ARO 1.5"
GRP001	Quarantine Bay Compressor Station Facility	EQT37 40-06-GOP - Gas Operated Pump - ARO 1.5"
GRP001	Quarantine Bay Compressor Station Facility	EQT38 41-06-GOP - Gas Operated Pump - ARO 1"
GRP001	Quarantine Bay Compressor Station Facility	EQT39 42-06-GOP - Gas Operated Pump - ARO 1"
GRP001	Quarantine Bay Compressor Station Facility	EQT40 43-06-GOP - Gas Operated Pump - ARO 0.5"
GRP001	Quarantine Bay Compressor Station Facility	EQT41 44-06-GOP - Gas Operated Pump - ARO 1"
GRP001	Quarantine Bay Compressor Station Facility	EQT42 45-06-GOP - Gas Operated Pump - ARO 1"
GRP001	Quarantine Bay Compressor Station Facility	EQT43 46-06-GOP - Gas Operated Pump - ARO 1"
GRP001	Quarantine Bay Compressor Station Facility	EQT44 47-06-PC - Pneumatic Controllers
GRP001	Quarantine Bay Compressor Station Facility	FUG1 11 - Fugitive Emissions
GRP002	CAP 1 - Combustion Engine - Exhaust Stack	EQT28 31-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack
GRP002	CAP 1 - Combustion Engine - Exhaust Stack	EQT29 32-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack
GRP003	Engines and Glycol Burner	EQT1 01 - Ingersoll Compressor Engine
GRP003	Engines and Glycol Burner	EQT2 02 - Ingersoll Compressor Engine
GRP003	Engines and Glycol Burner	EQT9 15 - Caterpillar Compressor Engine
GRP003	Engines and Glycol Burner	EQT24 26-06-GR-BS - Glycol Regenerator - Burner Stack
GRP003	Engines and Glycol Burner	EQT28 31-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack
GRP003	Engines and Glycol Burner	EQT29 32-06-ICE-ES - Caterpillar Combustion Engine - Generator Exhaust Stack

Relationships:

Subject Item	Relationship	Subject Item
EQT24 26-06-GR-BS - Glycol Regenerator - Burner Stack	Controls emissions from	EQT25 27-06-GR-SCC - Glycol Regenerator - Still Column Condenser

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT001 01 - Ingersoll Compressor Engine	64.3	6038	1.7	35	35	750
EQT002 02 - Ingersoll Compressor Engine	64.3	6038	1.7	35	35	750
EQT009 15 - Caterpillar Compressor Engine	126.9	5979	1	891	20	891
EQT024 26-06-GR-BS - Glycol Regenerator - Burner Stack	13	154	.5	10	10	500

INVENTORIES

AI ID: 32607 - Quarantine Bay Compressor Station
 Activity Number: PER20060003
 Permit Number: 2240-00124-V3
 Air - Title V General Permit Minor Mod

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT026	5	.1	.02		2	70
EQT027		.01	1		20	70
EQT028	222	941	.3		30	1000
EQT029	222	941	.3		30	1000
EQT030	427	1812	.3		30	700
EQT031	16	.3	.02		2	70
EQT032	16	.3	.02		2	70
EQT033	16	.3	.02		2	70
EQT034	16	.3	.02		2	70
EQT035	16	.3	.02		2	70
EQT036	890	151	.06		2	70
EQT037	890	151	.06		2	70
EQT038	519	88	.06		2	70
EQT039	519	88	.06		2	70
EQT040	589	25	.03		2	70
EQT041	519	88	.06		2	70
EQT042	519	88	.06		2	70
EQT043	519	88	.06		2	70
EQT044						
FUG001						

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP001	1	Units	0050 - Natural Gas Liquids Per Unit

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V General Permit Minor Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 01	0.18	0.18	0.77	0.01	0.01	0.06	76.29	114.44	334.16	17.64	26.46	77.26	2.79	4.19	12.23
EQT 002 02	0.18	0.18	0.77	0.01	0.01	0.06	76.29	114.44	334.16	17.64	26.46	77.26	2.79	4.19	12.23
EQT 009 15	0.10	0.10	0.44	0.01	0.01	0.03	7.61	11.41	33.32	7.61	11.41	33.32	1.61	2.41	7.03
EQT 024 26-06-GR-BS	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	0.04	0.04	0.19	0.04	0.04	0.16	0.08	0.08	0.35
EQT 026 29-06-BV													0.03	0.04	0.11
EQT 027 30-06-VS													0.06	0.06	0.26
EQT 028 31-06-ICE-ES		0.02			< 0.01			12.21			5.93			0.15	
EQT 029 32-06-ICE-ES		0.02			< 0.01			12.21			5.93			0.15	
EQT 030 33-06-ICE-ES	0.85	1.01	0.25	0.79	0.94	0.24	11.98	14.38	3.60	2.58	3.10	0.78	0.84	1.00	0.25
EQT 031 34-06-GOP													0.08	0.08	0.37
EQT 032 35-06-GOP													0.08	0.08	0.37
EQT 033 36-06-GOP													0.08	0.08	0.37
EQT 034 37-06-GOP													0.08	0.08	0.37
EQT 035 38-06-GOP													0.08	0.08	0.37
EQT 036 39-06-GOP													44.23	44.23	0.44
EQT 037 40-06-GOP													44.23	44.23	0.44
EQT 038 41-06-GOP													25.80	25.80	0.67
EQT 039 42-06-GOP													25.80	25.80	0.67

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V General Permit Minor Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040													7.37	7.37	1.47
43-06-GOP															
EQT 041													25.80	25.80	5.16
44-06-GOP															
EQT 042													25.80	25.80	1.29
45-06-GOP															
EQT 043													25.80	25.80	1.29
46-06-GOP															
EQT 044													3.13	3.13	13.71
47-06-PC															
FUG 001															
11															
GRP 002	0.03		0.12 <	0.01		0.01	11.15		48.85		5.42	23.73	0.14		0.61
CAP 1															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 2.36 tons/yr
 SO2: 0.40 tons/yr
 NOx: 754.28 tons/yr
 CO: 212.51 tons/yr
 VOC: 62.30 tons/yr

Emission rates Notes:

GRP 002 PM10 Tons/Year . Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029). Which Months: All Year
 GRP 002 SO2 Tons/Year . Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029). Which Months: All Year
 GRP 002 NOx Tons/Year . Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029). Which Months: All Year
 GRP 002 CO Tons/Year . Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029). Which Months: All Year
 GRP 002 VOC Tons/Year . Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029). Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V General Permit Minor Mod

All phases

Subject Item	1,3-Butadiene			2,2,4-Trimethylpentane			Acetaldehyde			Acrolein			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	0.02	0.16	0.16	0.16	0.10	0.10	0.42	0.02	0.02	0.10
EQT 002 02	< 0.01	< 0.01	0.02	< 0.01	< 0.01	0.02	0.16	0.16	0.16	0.10	0.10	0.42	0.02	0.02	0.10
EQT 009 15	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.09	0.09	0.09	0.06	0.06	0.24	0.01	0.01	0.06
EQT 024 26-06-GR-BS													0.02	0.02	0.11
EQT 026 29-06-BV				< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	< 0.01
EQT 027 30-06-V5													< 0.01	< 0.01	< 0.01
EQT 028 31-06-ICE-ES														0.01	
EQT 029 32-06-ICE-ES															
EQT 030 33-06-ICE-ES							< 0.01	< 0.01	< 0.01				< 0.01	< 0.01	< 0.01
EQT 031 34-06-GOP				< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	< 0.01
EQT 032 35-06-GOP				< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	< 0.01
EQT 033 36-06-GOP				< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	< 0.01
EQT 034 37-06-GOP				< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	< 0.01
EQT 035 38-06-GOP				< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	< 0.01
EQT 036 39-06-GOP				0.14	0.14	< 0.01							0.51	0.51	0.01
EQT 037 40-06-GOP				0.14	0.14	< 0.01							0.51	0.51	0.01
EQT 038 41-06-GOP				0.08	0.08	< 0.01							0.30	0.30	0.01
EQT 039 42-06-GOP				0.08	0.08	< 0.01							0.30	0.30	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station
 Activity Number: PER20060003
 Permit Number: 2240-00124-V3
 Air - Title V General Permit Minor Mod

All phases

Subject Item	Biphenyl			Ethyl benzene			Formaldehyde			Methanol			Propylene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 01	< 0.01	< 0.01	0.02				0.74	0.74	0.05	0.05	0.05	0.21			
EQT 002 02	< 0.01	< 0.01	0.02				0.74	0.74	0.05	0.05	0.05	0.21			
EQT 009 15	< 0.01	< 0.01	0.01				0.43	0.43	0.03	0.03	0.03	0.12			
EQT 024 26-06-GR-BS				< 0.01	< 0.01	< 0.01									
EQT 026 29-06-BV				< 0.01	< 0.01	< 0.01									
EQT 027 30-06-VS															
EQT 028 31-06-ICE-ES								0.02			< 0.01				
EQT 029 32-06-ICE-ES								0.02			< 0.01				
EQT 030 33-06-ICE-ES							< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		0.01	0.01	< 0.01
EQT 031 34-06-GOP				< 0.01	< 0.01	< 0.01									
EQT 032 35-06-GOP				< 0.01	< 0.01	< 0.01									
EQT 033 36-06-GOP				< 0.01	< 0.01	< 0.01									
EQT 034 37-06-GOP				< 0.01	< 0.01	< 0.01									
EQT 035 38-06-GOP				< 0.01	< 0.01	< 0.01									
EQT 036 39-06-GOP				0.05	0.05	< 0.01									
EQT 037 40-06-GOP				0.05	0.05	< 0.01									
EQT 038 41-06-GOP				0.03	0.03	< 0.01									
EQT 039 42-06-GOP				0.03	0.03	< 0.01									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station
 Activity Number: PER20060003
 Permit Number: 2240-00124-V3
 Air - Title V General Permit Minor Mod

All phases

Subject Item	Toluene			Xylene (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 01	0.01	0.01	0.04	0.01	0.01	0.03	0.02	0.02	0.10
EQT 002 02	0.01	0.01	0.04	0.01	0.01	0.03	0.02	0.02	0.10
EQT 009 15	0.01	0.01	0.02	< 0.01	< 0.01	0.02	0.01	0.01	0.06
EQT 024	0.01	0.01	0.04	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01
26-06-GR-8S									
EQT 026	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
29-06-BV									
EQT 027							0.01	0.01	0.02
30-06-V5									
EQT 028		< 0.01			< 0.01				
31-06-ICE-ES									
EQT 029		< 0.01			< 0.01				
32-06-ICE-ES									
EQT 030	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01			
33-06-ICE-ES									
EQT 031	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
34-06-GOP									
EQT 032	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
35-06-GOP									
EQT 033	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
36-06-GOP									
EQT 034	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
37-06-GOP									
EQT 035	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
38-06-GOP									
EQT 036	0.40	0.40	< 0.01	0.22	0.22	< 0.01	1.19	1.19	0.01
39-06-GOP									
EQT 037	0.40	0.40	< 0.01	0.22	0.22	< 0.01	1.19	1.19	0.01
40-06-GOP									
EQT 038	0.23	0.23	0.01	0.13	0.13	< 0.01	0.69	0.69	0.02
41-06-GOP									
EQT 039	0.23	0.23	0.01	0.13	0.13	< 0.01	0.69	0.69	0.02
42-06-GOP									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V General Permit Minor Mod

All phases

Subject Item	1,3-Butadiene			2,2,4-Trimethylpentane			Acetaldehyde			Acrolein			Benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 43-06-GOP				0.02	0.02	< 0.01							0.08	0.08	0.02
EQT 041 44-06-GOP				0.08	0.08	0.02							0.30	0.30	0.06
EQT 042 45-06-GOP				0.08	0.08	< 0.01							0.30	0.30	0.01
EQT 043 46-06-GOP				0.08	0.08	< 0.01							0.30	0.30	0.01
EQT 044 47-06-PC				0.01	0.01	0.04							0.04	0.04	0.16
FUG 001 11				< 0.01	< 0.01	< 0.01							< 0.01	< 0.01	0.01
GRP 002 CAP 1													0.01	0.01	0.05

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V General Permit Minor Mod

All phases

Subject Item	Biphenyl			Ethyl benzene			Formaldehyde			Methanol			Propylene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040				0.01	0.01	< 0.01									
43-06-GOP				0.03	0.03	0.01									
EQT 041				0.03	0.03	< 0.01									
44-06-GOP				0.03	0.03	< 0.01									
EQT 042				0.03	0.03	< 0.01									
45-06-GOP				0.03	0.03	< 0.01									
EQT 043				< 0.01	< 0.01	0.02									
46-06-GOP				< 0.01	< 0.01	< 0.01									
EQT 044				< 0.01	< 0.01	< 0.01									
47-06-PC				< 0.01	< 0.01	< 0.01									
FUG 001															
11															
GRP 002							0.02			0.10	< 0.01				0.02
CAP 1															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station
 Activity Number: PER20060003
 Permit Number: 2240-00124-V3
 Air - Title V General Permit Minor Mod

All phases

Subject Item	Toluene			Xylene (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 040 43-06-GOP	0.07	0.07	0.01	0.04	0.04	0.01	0.20	0.20	0.04
EQT 041 44-06-GOP	0.23	0.23	0.05	0.13	0.13	0.03	0.69	0.69	0.14
EQT 042 45-06-GOP	0.23	0.23	0.01	0.13	0.13	0.01	0.69	0.69	0.03
EQT 043 46-06-GOP	0.23	0.23	0.01	0.13	0.13	0.01	0.69	0.69	0.03
EQT 044 47-06-PC	0.03	0.03	0.12	0.02	0.02	0.07	0.08	0.08	0.37
FUG 001 11	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	0.01	0.01	0.02
GRP 002 CAP 1	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

- 1,3-Butadiene: 0.05 tons/yr
- 2,2,4-Trimethylpentane: 0.11 tons/yr
- Acetaldehyde: 1.80 tons/yr
- Acrolein: 1.08 tons/yr
- Benzene: 0.73 tons/yr
- Biphenyl: 0.05 tons/yr
- Ethyl benzene: 0.03 tons/yr
- Formaldehyde: 8.47 tons/yr
- Methanol: 0.56 tons/yr
- n-Hexane: 1.02 tons/yr
- Propylene: <0.01 tons/yr
- Toluene: 0.39 tons/yr
- Xylene (mixed isomers): 0.23 tons/yr

Emission Rates Notes:

GRP 002 Benzene

. Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029). Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V General Permit Minor Mod

All phases

GRP 002	Formaldehyde	Tons/Year	. Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029).	Which Months: All Year
GRP 002	Methanol	Tons/Year	. Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029).	Which Months: All Year
GRP 002	Toluene	Tons/Year	. Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029).	Which Months: All Year
GRP 002	Xylene (mixed isomers)	Tons/Year	. Emission represents Annual Emission Cap for Emission Point Sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029).	Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V Regular Permit Minor Mod

EQT001 01 - Ingersoll Compressor Engine

- 1 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 2 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 3 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 4 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 5 Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 6 Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 7 Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during semiannual testing. [LAC 33:III.501.C.6]

EQT002 02 - Ingersoll Compressor Engine

- 8 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 9 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 10 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 32607 - Quarantine Bay Compressor Station

Activity Number: PER20060003

Permit Number: 2240-00124-V3

Air - Title V Regular Permit Minor Mod

EQT002 02 - Ingersoll Compressor Engine

- 11 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 12 Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 13 Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 14 Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during semiannual testing. [LAC 33:III.501.C.6]

EQT009 15 - Caterpillar Compressor Engine

- 15 Submit notification: Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 16 Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 17 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. [LAC 33:III.501.C.6]
- 18 Stack gas concentration: Nitrogen oxides monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 19 Stack gas concentration: Carbon monoxide monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 20 Stack gas concentration: Oxygen monitored by portable analyzer semiannually (six months after the stack test or previous semiannual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 21 Equipment/operational data recordkeeping by electronic or hard copy semiannually. Recorded parameters are NOx, CO and O2 concentrations in the stack gas obtained during semiannual testing. [LAC 33:III.501.C.6]

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EQ1025 27-06-GR-SCC - Glycol Regenerator - Still Column Condenser

- 22 VOC, Total \geq 85 % reduction using a control device. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D. [LAC 33:III.2116.B.2]
Which Months: All Year Statistical Basis: None specified
- 23 Determine compliance with LAC 33:III.2116.B using the methods in LAC 33:III.2116.D.1-5, as appropriate. [LAC 33:III.2116.D]
- 24 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2116.F.1. [LAC 33:III.2116.F.1]

EQ1030 33-06-ICE-ES - Caterpillar Combustion Engine - Backup Diesel Generator Exhaust Stack

- 25 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 26 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: Six-minute average
- 27 Total suspended particulate \leq 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 28 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 29 Submit an initial notification as required in 40 CFR 60.7(a)(1). Include the information in 40 CFR 60.4214(a)(1)(i) through (a)(1)(iv). Subpart III. [40 CFR 60.4214(a)(1)]
- 30 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information in 40 CFR 60.4214(a)(2)(i) through (a)(2)(iv). Subpart III. [40 CFR 60.4214(a)(2)]

FUG001 11 - Fugitive Emissions

- 31 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 32 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 33 Comply with the requirements specified in 40 CFR 60.482-1(a), (b), and (d) and 40 CFR 60.482-2 through 60.482-10, except as provided in 40 CFR 60.633, as soon as practicable, but no later than 180 days after initial startup. Subpart KKK. [40 CFR 60.632(a)]
- 34 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.632(f) and 60.633(h). Subpart KKK. [40 CFR 60.632(d)]
- 35 Comply with the provisions of 40 CFR 60.486 and 60.487 except as provided in 40 CFR 60.633, 60.635, and 60.636. Subpart KKK. [40 CFR 60.632(e)]
- 36 Demonstrate that a piece of equipment is not in VOC service or in wet gas service by using the specified methods. Subpart KKK. [40 CFR 60.632(f)]
- 37 Pressure relief devices in gas/vapor service: When a leak is detected, make a first attempt at repair no later than 5 calendar days after each leak is detected and complete repairs no later than 15 calendar days after it is detected, except as provided in 40 CFR 60.482-9. Subpart KKK. [40 CFR 60.633(b)(3)]

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FUG001 11 - Fugitive Emissions

- 38 Pressure relief devices in gas/vapor service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly and within 5 days after each pressure release to detect leaks by the methods specified in 40 CFR 60.485(b) except as provided in 40 CFR 60.632(c), 60.633(b)(4), and 60.482-4(a) through (c) of Subpart VV. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 60.633(b)(3). Subpart KKK. [40 CFR 60.633(b) Which Months: All Year Statistical Basis: None specified]
- 39 Pressure relief devices in gas/vapor service: When each leak is detected as specified in 40 CFR 60.633(b)(2), attach a weatherproof and readily visible identification, marked with the equipment identification number, to the leaking equipment. Subpart KKK. [40 CFR 60.635(b)(1)]
- 40 Pressure relief devices in gas/vapor service: Equipment/operational data recordkeeping by logbook continuously. When each leak is detected as specified in 40 CFR 60.633(b)(2), record and keep the specified information for 2 years in a readily accessible location. Subpart KKK. [40 CFR 60.635(b)(2)]
- 41 Compressors: Equipment/operational data recordkeeping by logbook continuously. Record and keep information and data used to demonstrate that a reciprocating compressor is in wet gas service in a readily accessible location for use in determining exemptions as provided in 40 CFR 60.633(f). Subpart KKK. [40 CFR 60.635(c)]
- 42 Pressure relief devices in gas/vapor service: Include the following information in the initial semiannual report in addition to the information required in 40 CFR 60.487(b)(1) through (4): Number of pressure relief devices subject to the requirements of 40 CFR 60.633(b) except for those pressure relief devices designated for no detectable emissions under the provisions of 40 CFR 60.482-4(a) and those pressure relief devices complying with 40 CFR 60.482-4(c). Subpart KKK. [40 CFR 60.636(b)]
- 43 Pressure relief devices in gas/vapor service: Include the following information in all semiannual reports in addition to the information required in 40 CFR 60.487(c)(2)(i) through (vi): Number of pressure relief devices for which leaks were detected as required in 40 CFR 60.633(b)(2) and number of pressure relief devices for which leaks were not repaired as required in 40 CFR 60.633(b)(3). Subpart KKK. [40 CFR 60.636(c)]

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- 44 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 45 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- 46 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 47 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 48 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 49 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 50 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Permits Division as required in accordance with the procedures in LAC 33:III Chapter 5. [LAC 33:III.501.C.1]
- 51 1,3-Butadiene \leq 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 52 2,2,4-Trimethylpentane \leq 0.11 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 53 Acrolein \leq 1.08 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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- 54 Biphenyl \leq 0.05 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 55 Methanol \leq 0.56 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 56 Propylene $<$ 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 57 Particulate matter (10 microns or less) \leq 2.36 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 58 Sulfur dioxide \leq 0.40 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 59 Nitrogen oxides \leq 754.28 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 60 Carbon monoxide \leq 212.51 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 61 VOC, Total \leq 62.30 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 62 Acetaldehyde \leq 1.80 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 63 Benzene \leq 0.73 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 64 Ethyl benzene \leq 0.03 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 65 Formaldehyde \leq 8.47 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 66 Toluene \leq 0.39 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 67 Xylene (mixed isomers) \leq 0.23 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 68 n-Hexane \leq 1.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 69 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 70 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued to the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 21, 1992. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. [LAC 33:III.507.B.2]

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- 71 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]
- 72 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.511]
- 73 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.1]
- 74 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]
- 75 Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit. [LAC 33:III.517.C]
- 76 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]
- 77 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8. [LAC 33:III.517.E]
- 78 Submit notification: Due within 90 days after any change in ownership of the source. Provide the notification in accordance with forms or guidance from the permitting authority and in accordance with requirements of LAC 33:I.1701. [LAC 33:III.517.G]
- 79 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]
- 80 Submit application for temporary exemption for testing: Due prior to test initiation. Submit the information specified in LAC 33:III.517 (with the exception of the data being measured in the test). Conduct testing for the minimum duration consistent with obtaining valid results. [LAC 33:III.523.B.2]
- 81 Submit test results: Due within 30 days of test completion to the administrative authority. The report details the conditions that were found to exist during a temporary exemption for testing. State if there is to be no permanent change in emissions from pretest conditions. [LAC 33:III.523.B.3]
- 82 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 83 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 84 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 85 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

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- 86 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1.Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]
- 87 Comply with all applicable deadlines specified in 40 CFR 60.4208(a) through (h). Subpart III. [40 CFR 60.4208]
- 88 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 89 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 90 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 91 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

GRP002 CAP 1 - Combustion Engine - Exhaust Stack

- 92 As part of the CAP condition for sources 31-06-ICE-ES (EQT 028) and 32-06-ICE-ES (EQT 029), the hours of operation of these sources is alternated and the combined runtime will not exceed 10,000 hrs/yr. [LAC 33:III.501.C.6]

GRP003 Engines and Glycol Burner

- 93 Opacity <= 20 percent, except during the cleaning of a fire box or building of a fire box or blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 94 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 95 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 96 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
COX OPERATING LLC
QUARANTINE BAY COMPRESSOR STATION
PROPOSED TITLE V MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on a Part 70 permit modification for Cox Operating LLC, 4514 Cole Avenue, Suite 1175, Dallas TX 75205 for the Quarantine Bay Compressor Station. **The facility is located approximately 7 miles east of Empire and about 5 miles northeast of Buras, Plaquemines Parish.**

Cox Operating LLC requested a Part 70 modification of the existing title V permit No. 2240-00124-V2 issued June 27, 2005.

Cox Operating LLC proposes to modify the Quarantine Bay Compressor Station as follows:

- Delete from the emission point source list: two generator engines (07 & 08), a glycol dehydration unit (09 & 023), a flare (12), two pneumatic pumps (13 & 14), three chemical injection pumps (CI-01, CI-02, & CI-03), two transfer pumps (DP-01 & DP-04), a lube oil pump (DP-02), a sump pump (DP-03), four level controllers (LC-01, LC-02, LC-03 & LC-04), and two pressure controllers (PC-01 & PC-02).
- Add to the emission point source list: a new glycol dehydration unit (26-06-GR-BS & 27-06-GR-SCC), a blowcase vessel (29-06-BV), a vent scrubber (30-06-VS), two natural gas fired generators (31-06-ICE-ES & 32-06-ICE-ES), a diesel fired generator (33-06-ICE-ES), thirteen gas operated pumps (34-06-GOP through 46-06-GOP), and pneumatic controllers (47-06-PC).
- Add ten insignificant storage tanks (28-06-GST, 48-06-Sump (2 tanks), 49-06-ST (5 tanks), 50-06-ST, and 51-06-LOT) to the facility's insignificant activities list.
- Incorporate an emissions cap for sources 31-06-ICE-ES and 32-06-ICE-ES with the total operating time between these two engines not to exceed 10,000 hrs/yr.
- Incorporate revisions of emissions for the facility's remaining emission point sources based on updated throughput rates, emission factors, and/or current facility conditions.

There are no facilities under common ownership and contiguous with Cox Operating LLC's Quarantine Bay Compressor Station.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change ***</u>
PM ₁₀	5.54	2.36	-3.18
SO ₂	0.21	0.40	+0.19
NO _x **	712.74	754.28	+41.54
CO	114.84	212.51	+97.67
VOC *	60.95	62.30	+1.35
1,3-Butadiene	-	0.05	+0.05
2,2,4-Trimethylpentane	-	0.11	+0.11
Acetaldehyde	1.42	1.80	+0.38
Acrolein	-	1.08	+1.08

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change ***</u>
Benzene	0.60	0.73	+0.13
Biphenyl	-	0.05	+0.05
Ethylbenzene	0.04	0.03	-0.01
Formaldehyde	9.95	8.47	-1.48
Methanol	-	0.56	+0.56
n-Hexane	1.51	1.02	-0.49
Toluene	0.40	0.39	-0.01
Xylene	0.09	0.23	+0.14

*** Some changes in emissions are from updated emission factors (i.e. no physical changes or changes in operation)

** Estimated actual emission increases due to the project in TPY are as follows:

Pollutant	Project Increase	PSD or NNSR	Analysis Required
PM ₁₀	0.38	15	No
SO ₂	0.25	40	No
NO _x	52.64	40	Yes
CO	24.67	100	No
VOC	28.57	40	No

A Prevention of Significant Deterioration (PSD) review is required for the modification of existing major sources, which results in a significant increase in emissions of a regulated pollutant. PSD review is not required for PM₁₀, SO₂, CO, and VOC

PSD netting Calculations are as follows:

Pollutant	Project Increase	Project Decrease	Net Change
NO _x	52.64	17.42	35.22

Contemporaneous Period: June 2001 through September 1, 2006

Project emissions decrease is calculated as the 2-year average between 2003 and 2004.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the statement of basis. All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., DAY, MONTH DATE, YEAR.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The copy of the application, the proposed permit and the statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

Additional copies may be reviewed at NAME AND PHYSICAL ADDRESS OF LIBRARY OR OTHER REPOSITORY.

Inquiries or requests for additional information regarding this permit action should be directed to Scott J. Templet, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3059.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 32607, Permit Number 2240-00124-V3, and Activity Number PER20060003.